#2 MDS 10-8-02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of :	)	
	)	
Michael J. GRAZIANO, et al.	)	Group Art Unit: 2631
	)	
	)	Examiner: *Unknown*
Application No.: 10/050,529	)	
	)	
Filed: January 18, 2002	)	

For: METHOD AND SYSTEM FOR DETERMINING MAXIMUM POWER BACKOFF USING FREQUENCY DOMAIN GEOMETRIC SIGNAL TO NOISE RATIO

INFORMATION DISCLOSURE STATEMENT

The Director of the United States Patents
and Commissioner for Patents
Washington, D.C. 20231

Sir:

In accordance with 37 C.F.R. §§ 1.56, 1.97, and 1.98, Applicants respectfully submit the following documents for the Examiner's consideration. A copy of Form PTO-1449 and copies of each of the listed documents are enclosed for the Examiner's convenience.

Applicants respectfully request that the Examiner considers the enclosed references and that the Examiner indicates that the references have been considered in this application by returning a copy of the Form PTO-1449 with the Examiner's initials in the left column per MPEP 609.

This Information Disclosure Statement is believed to be submitted before the mailing of a first Office Action. Accordingly, no fees are due. However, if any fees are

incurred upon the filing of this Information Disclosure Statement, the Commissioner is hereby authorized to charge the undersigned's Deposit Account No. 50-0206.

Respectfully submitted,
HUNTON & WILLIAMS

Date: May 30, 2002

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PTO/SB/08A (08-00)
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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Sheet	1	of	1

Complete if Known	
Application Number	10/050,529
Filing Date	January 18, 2002
First Named Inventor	Michael J. GRAZIANO, et al.
Group Art Unit	2631
Examiner Name	Unassigned
Attorney Docket Number	56162.000336

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No.[1]	U.S. Patent Document Number	U.S. Patent Document Kind Code[2] (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	U1	5,363,321		Dao Trong et al.	11/08/94	
	U2	5,524,089		Takano	06/04/96	
	U3	5,570,310		Smith	10/29/96	
	U4	5,600,581		Dworkin et al.	02/04/97	
	U5	5,604,691		Dworkin et al.	02/18/97	
	U6	5,642,305		Pan et al.	06/24/97	
	U7	5,703,801		Pan et al.	12/30/97	
	U8	5,909,384		Tal et al.	06/01/99	
	U9	5,940,312		Hansen	08/17/99	
	U10	5,941,939		Pan et al.	08/24/99	
	U11					
	U12					

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
	P1	Haykin, Simon, *Communication Systems 4th Edition*, Wiley, 2001, page 436	
	P2	Brigham, E. Oran, *The Fast Fourier Transform and its Applications*, Prentice Hall, 1988, pgs 191-193	
	P3	Embree, Paul M. and Kimbel, Bruce, *C Language Algorithms for Digital Signal Processing*, Prentice Hall, 1991, pgs 255-256 and 266 and 267	
	P4	Haykin, Simon, *Adaptive Filter Theory 3rd Edition*, Prentice Hall, 1996, pgs 393-404	
	P5	Proakis, John G., Manolakis, Dimitris G., *"Digital Signal Processing: Principals, Algorithms and Applications 3rd Edition*, Prentice Hall, 1996, pgs 23-28	
	P6	ITU Standard G.991.2, "Single Pair High Speed Digital Subscriber Line (SHDSL) Transceivers", April 2001, pgs 1-191, Irvine, California	
	P7	ITU Standard G.994.1, "Handshake Procedures for Digital Subscriber Line (DSL) Transceivers", June 1999, pgs 1-46, Geneva	
	P8	ANSI Standard HDSL2, "High Bit Rate Digital Subscriber Line--2nd Generation (HDSL2)", February 21-25, 2000, pgs 1-94, Maui, HI	

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] Unique citation designation number. [2] Applicant is to place a check mark here if English language Translation is attached.

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